RESPONSE TO RESTRICTION REQUIREMENT

## In the Claims

## Listing of the Claims

This listing of claims will replace all prior versions, and listings, of the claims in the application.

1. (Original) A device for coupling and for fracturing optical fibers, comprising:

a housing for receiving a first end of a first optical fiber and a second end of a second

optical fiber;

a moveable member capable of moving with respect to the housing;

a first electrode coupled to the moveable member and baving a first electrode surface;

a second electrode connected to the housing and having a second electrode surface;

the first and second electrodes being positioned so that the first and second ends of the

first and second optical fibers, respectively, are located adjacent to each other and between the

first and second electrode surfaces of the first and second electrodes;

the first and second electrodes are capable of receiving an electrical signal and passing a

current through the first and second ends of the first and second optical fibers;

the current fusing the first and second ends of the first and second optical fibers together

to form a single optical fiber; and

a cutting surface positioned such that upon movement of the moveable member, the

single fiber is cut to form the first and second optical fibers having the first and second ends,

RESPONSE TO RESTRICTION REQUIREMENT

respectively.

2. (Original) The device as set forth in claim 1, wherein the first electrode is an anode and the second electrode is a cathode.

3. (Original) The device as set forth in claim 1, wherein the first electrode is positive and the second electrode is negative.

4. (Original) The device as set forth in claim I, wherein the cutting surface is positioned on the first electrode surface, the second electrode surface, or both.

5. (Original) The device as set forth in claim 1, wherein the moveable member moves in a circular motion.

6. (Original) The device as set forth in claim 1, wherein the moveable member moves in a linear motion.

7. (Original) The device as set forth in claim 1, wherein the moveable member is comprised of a conductive material and serves as the first electrode.

RESPONSE TO RESTRICTION REQUIREMENT

8. (Original) The device as set forth in claim 1, wherein the housing includes a

port extending to the first and second ends of the first and second optical fibers for directing a

fluid or gas to the first and second ends of the first and second optical fibers.

9. (Original) The device as set forth in claim 1, further comprising a fluid

dispensing device for delivering a fluid or gas to the port.

10. (Original) The device as set forth in claim 1, further comprising a signal

generator for providing the electrical signal to the first and second electrodes.

11. (Original) The device as set forth in claim 1, wherein the housing is for

receiving a plurality of optical fibers each having an end, the first and second electrodes

positioned adjacent to the ends of multiple pairs of optical fibers, and the first and second

electrodes for fusing the pairs of optical fibers to form single fibers.

12. (Original) The device as set forth in claim 1, further comprising a sleeve for

receiving the first and second ends of the first and second optical fibers, wherein the sleeve is

positioned between the first and second electrodes.

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U.S. Serial No. 10/685,035 Filed: October 14, 2003

RESPONSE TO RESTRICTION REQUIREMENT

13. (Withdrawn) A method for coupling and for fracturing optical fibers,

comprising:

positioning a first optical fiber having a first end;

positioning a second optical fiber having a second end so that the first end of the first

optical fiber is adjacent to the second end of the second optical fiber and the first and second

ends of the first and second optical fibers are between first and second electrodes;

passing an electrical signal across the first and second electrodes causing a current to flow

between the first and second electrodes;

using the current to fuse the first and second ends of the first and second optical fibers

together to form a single optical fiber; and

moving a moveable member to cut through the single fiber to form the first and second

optical fibers having the first and second ends.

14. (Withdrawn) The method as set forth in claim 13, further comprising rotating the

moveable member to cut the single fiber to form the first and second optical fibers having the

first and second ends, respectively.

15. (Withdrawn) The method as set forth in claim 13, further comprising moving in

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RESPONSE TO RESTRICTION REQUIREMENT

a linear direction the moveable member to cut the single fiber to form the first and second optical

fibers having the first and second ends, respectively.

16. (Withdrawn) The method as set forth in claim 13, further comprising providing a

fluid or gas to the first and second ends of the first and second optical fibers while passing the

electrical signal.

17. (Withdrawn) The method as set forth in claim 13, further comprising fusing a

plurality of pairs of optical fibers.

18. (Original) A system for coupling and fracturing optical fibers, comprising:

a housing for receiving a first end of a first optical fiber and a second end of a second

optical fiber;

a moveable member capable of moving with respect to the housing;

a first electrode coupled to the moveable member and having a first electrode surface;

a second electrode connected to the housing and having a second electrode surface;

the first and second electrodes being positioned so that the first and second ends of the

first and second optical fibers, respectively, are located adjacent to each other and between the

first and second electrode surfaces of the first and second electrodes;

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U.S. Serial No. 10/685,035

Filed: October 14, 2003

RESPONSE TO RESTRICTION REQUIREMENT

the first and second electrodes are capable of receiving an electrical signal and passing a

current through the first and second ends of the first and second optical fibers;

the current fusing the first and second ends of the first and second optical fibers together

to form a single optical fiber;

a cutting surface positioned such that upon movement of the moveable member, the

single fiber is cut to form the first and second optical fibers having the first and second ends,

respectively;

a fluid dispensing device for delivering a fluid or gas to the first and second ends of the

first and second optical fibers; and

a signal generator for providing an electrical signal to the first and second electrodes.

19. (Original) The system as set forth in claim 18, further comprising a sleeve for

receiving the first and second ends of the first and second optical fibers, wherein the sleeve is

positioned between the first and second electrodes.

20. (Original) The system as set forth in claim 18, wherein the housing is for

receiving a plurality of optical fibers each having an end, the first and second electrodes

positioned adjacent to the ends of multiple pairs of optical fibers, and the first and second

electrodes for fusing the pairs of optical fibers to form single fibers.

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PAGE 9/10 \* RCVD AT 7/26/2005 1:28:16 PM [Eastern Daylight Time] \* SVR:USPTO-EFXRF-6/37 \* DNIS:2738300 \* CSID:404 815 6555 \* DURATION (mm-ss):02-54

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Respectfully submitted

Michael J. Turto. Reg. No. 40,852

KILPATRICK STOCKTON LLP 1100 Peachtree Street Suite 2800 Atlanta, Georgia 30309-4530 (404) 815-6061